

Title (en)
Hot pressure fixing device

Title (de)
Wärme-Druck-Fixiereinrichtung

Title (fr)
Dispositif de fixation par chaleur et pression

Publication
EP 0997794 A1 20000503 (EN)

Application
EP 98308845 A 19981028

Priority
EP 98308845 A 19981028

Abstract (en)
A device for fixing a toner image carried on a substrate (10), comprises a heated fuser roller (12) in contact with a reaction surface (14) to form a nip (16) there-between through which a substrate path (18) extends. An applicator roller (22), formed with a rigid core (24) carrying a covering (25) of compliant material, is in rolling contact with the heated fuser roller (12). A transfer roller (26), also formed with a rigid core (30) carrying a covering (31) of compliant material, is in rolling contact with the applicator roller (22). A release agent path is established from a supply (20) via the transfer roller (26) and the applicator roller (22) to the heated fuser roller (12). The consumption of release agent is thereby minimised, and the thickness of the release agent film on the heated fuser roller is substantially independent of the presence or absence of substrate sheets passing through the nip.
<IMAGE>

IPC 1-7
G03G 15/20

IPC 8 full level
G03G 15/20 (2006.01)

CPC (source: EP US)
G03G 15/2025 (2013.01 - EP US); **G03G 2215/2093** (2013.01 - EP US)

Citation (search report)
• [Y] EP 0840180 A2 19980506 - XEROX CORP [US]
• [XAY] PATENT ABSTRACTS OF JAPAN vol. 013, no. 587 (P - 983) 25 December 1989 (1989-12-25)
• [Y] PATENT ABSTRACTS OF JAPAN vol. 017, no. 611 (P - 1641) 10 November 1993 (1993-11-10)
• [A] PATENT ABSTRACTS OF JAPAN vol. 015, no. 305 (P - 1234) 5 August 1991 (1991-08-05)

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US6650860B2

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BE DE FR GB NL

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EP 98308845 A 19981028; DE 69826131 T 19981028; JP 29590599 A 19991018; US 42618699 A 19991025